```java
abstract class Shape {
    double dim1, dim2;
    abstract double printArea();
}
class Rectangle extends Shape {
    Rectangle (double a, double b)
    {
        dim1 = a;
        dim2 = b;
    }
    double printArea()
    {
        System.out.println("Inside the Rectangle");
        return dim1 * dim2;
    }
}
class Triangle extends Shape {
    Triangle (double a, double b) {
        dim1 = a;
        dim2 = b;
    }
    double printArea() {
        System.out.println("Inside the Triangle");
        return dim1 * dim2;
    }
}
```

```
class Circle extends Shape {
    Circle ( double a) {
        dim1 = a;
    }
    double printArea()
    {
        System. out. println ("Inside the circle ");
        return 3.14 * dim1 * dim2;
    }
}
class abs1Main {
    public static void main ( String args[]) {

        Rectangle r = new Rectangle (10, 20);
        Triangle t = new Triangle (20, 30);
        Circle   c = new Circle (3.5);

        System. out. println ("Area of Rectangle is"
                    t. printArea ());
        System. out. println ("Area of Triangle is"
                    t. printArea ());
        System. out. println ("Area of Circle is"
                    c. printArea ());

    }
}
```